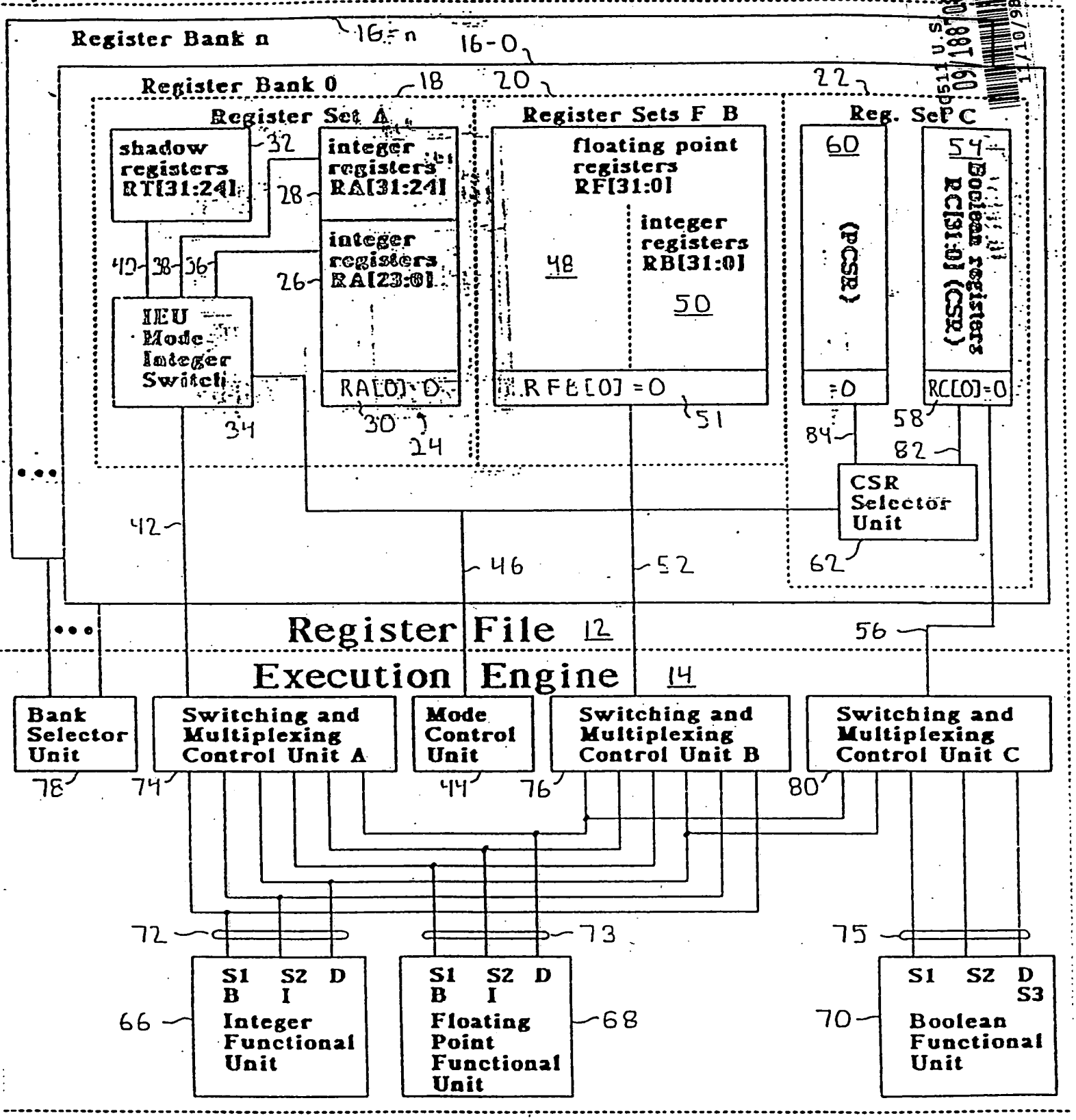

Fig. 1 10 Instruction Execution Unit (IEU)

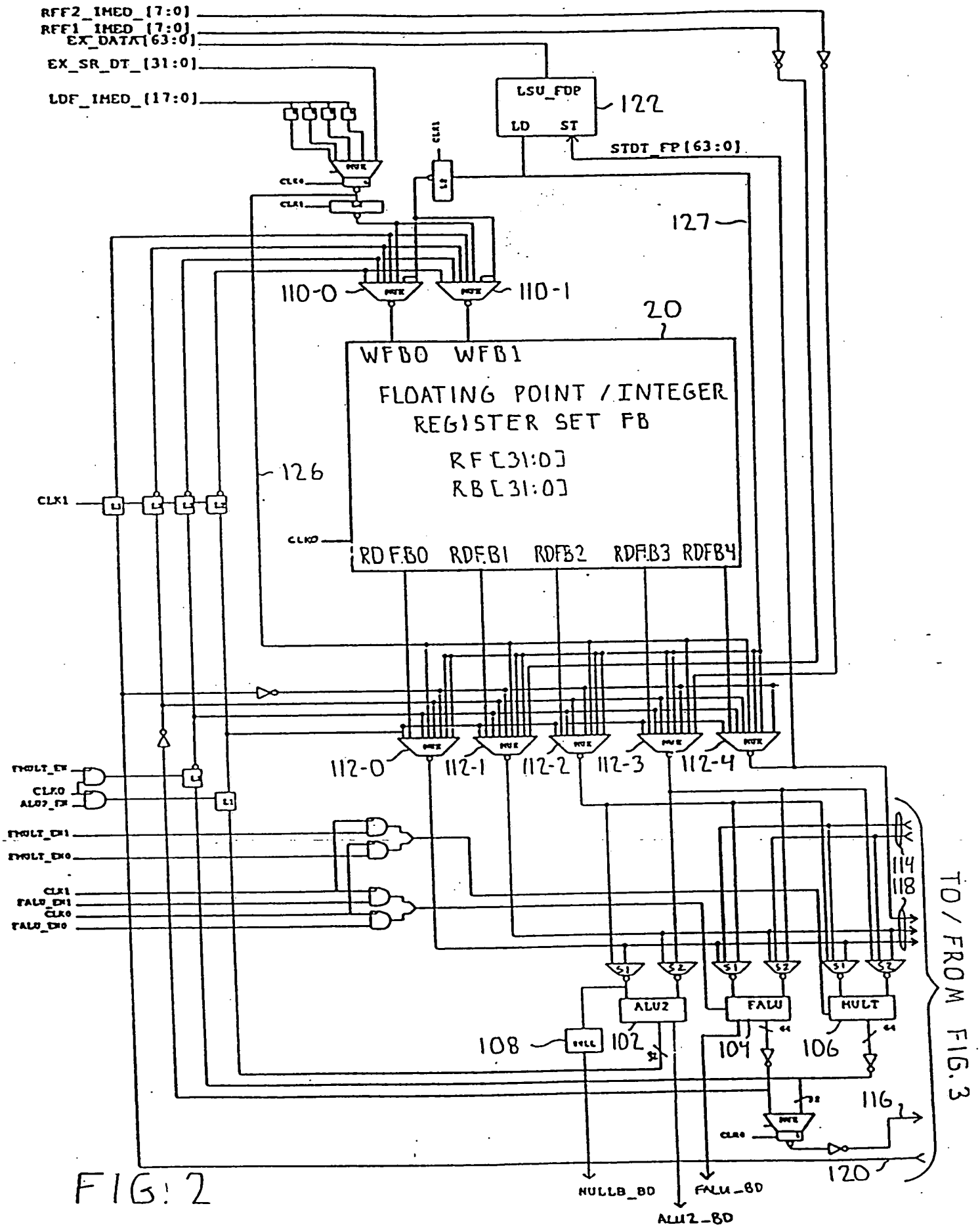
RFF2_IMED_[7:0]
RFF1_IMED_[7:0]
EX_DATA[63:0]
EX_SR_DT_[31:0]
LDF_IMED_[17:0]
LSU_FDP
LD ST
122
STDT_FP[63:0]
127
110-0
110-1
20
WFB0 WFB1
FLOATING POINT / INTEGER
REGISTER SET FB
RF[31:0]
RB[31:0]
126
RDFB0 RDFB1 RDFB2 RDFB3 RDFB4
CLX1
CLK0
112-0
112-1
112-2
112-3
112-4
ALU2
FALU
MULT
108
102
104
106
114
118
116
120
NULLB_BD
FALU_BD
ALU2_BD
TO / FROM FIG. 3

FIG. 2

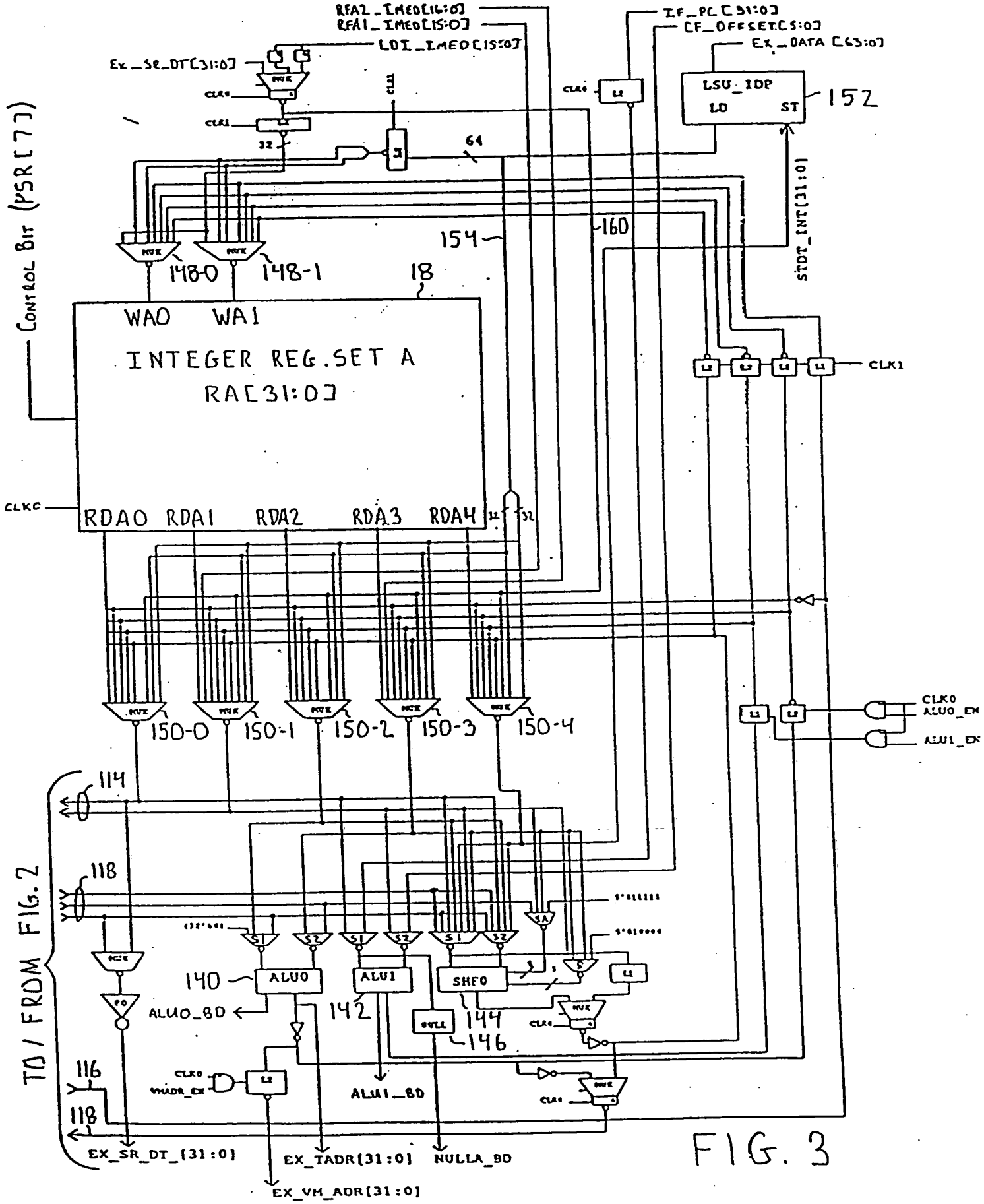
RFA2_IMED[15:0]
RFA1_IMED[15:0]
LDI_IMED[15:0]
IF_PC[31:0]
DF_OFFSET[5:0]
EX_DATA[63:0]
EX_SR_DT[31:0]
LSU_IDP
LD
ST
152
154
160
148-0
148-1
18
WA0
WA1
INTEGER REG.SET A
RA[31:0]
RDA0
RDA1
RDA2
RDA3
RDA4
CLK0
CLK1
STDT_INT[31:0]
CONTROL BIT (PSR[7])
150-0
150-1
150-2
150-3
150-4
CLK0
ALU0_EX
ALU1_EX
114
118
140
ALU0
ALU1
SHF0
142
144
146
ALU0_BD
ALU1_BD
116
118
EX_SR_DT[31:0]
EX_TADR[31:0]
NULLA_BD
EX_VM_ADR[31:0]
TO / FROM FIG. 2

FIG. 3

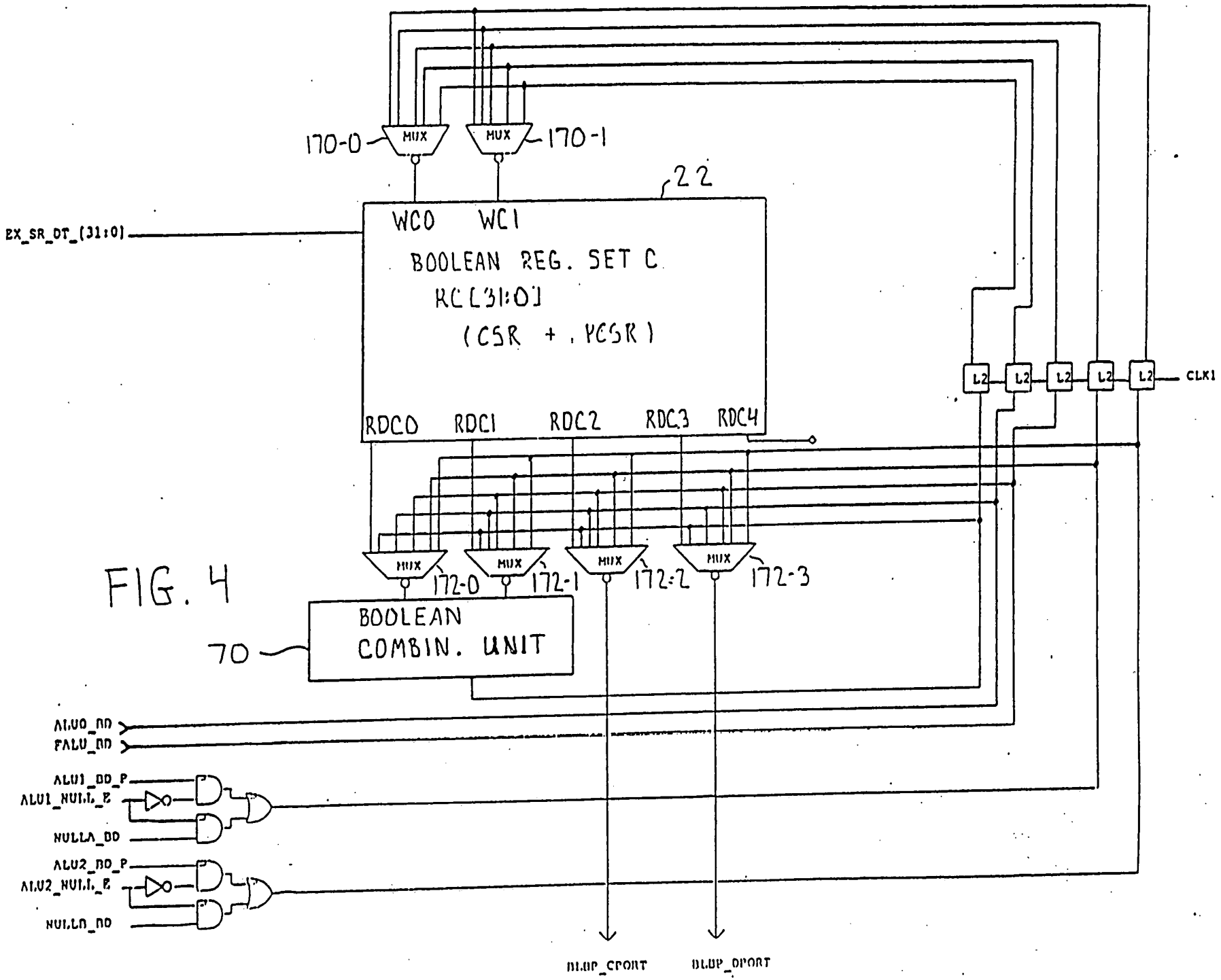
170-0
MUX
MUX
170-1
22
WC0
WC1
EX_SR_DT_[31:0]
BOOLEAN REG. SET C
RC[31:0]
(CSR + .YCSR)
L2
L2
L2
L2
L2
CLK1
RDC0
RDC1
RDC2
RDC3
RDC4
MUX
MUX
MUX
MUX
172-0
172-1
172-2
172-3
BOOLEAN
COMBIN. UNIT
70
ALU0_DD
FALU_DD
ALU1_DD_P
ALU1_NULL_E
NULLA_DD
ALU2_DD_P
ALU2_NULL_E
NULLB_DD
BLUP_CPORT
BLUP_DPORT

FIG. 4

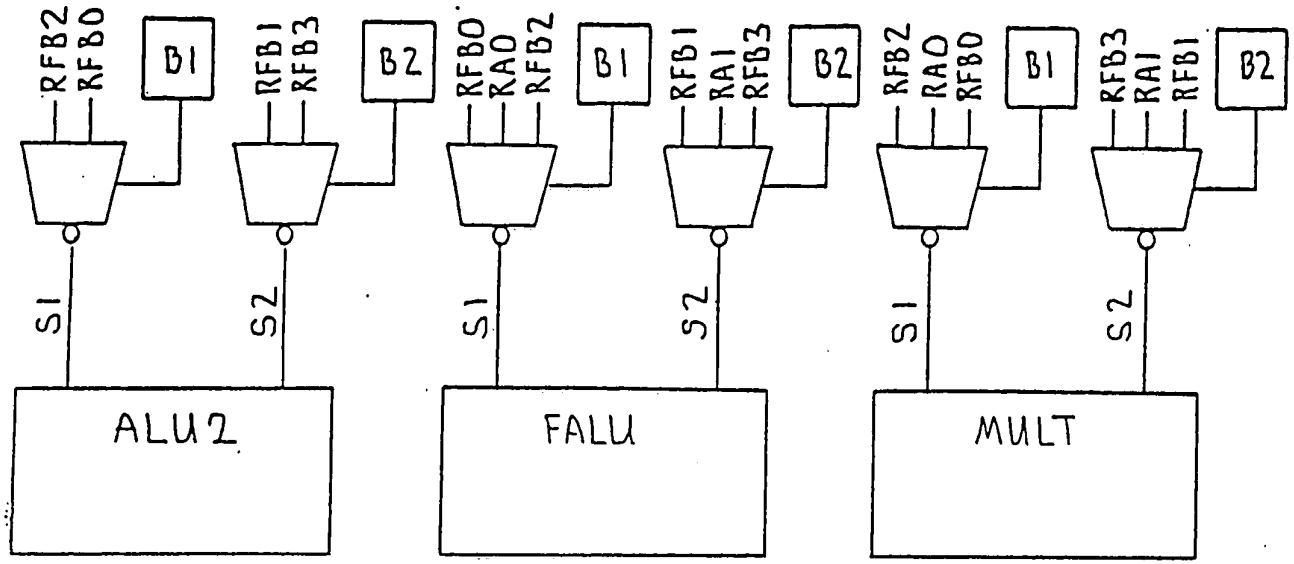
RFB2
RFB0
B1
RFB1
RFB3
B2
RFB0
RA0
RFB2
B1
RFB1
RA1
RFB3
B2
RFB2
RA0
RFB0
B1
RFB3
RA1
RFB1
B2
S1
S2
S1
S2
S1
S2
ALU2
FALU
MULT

FIG. 5

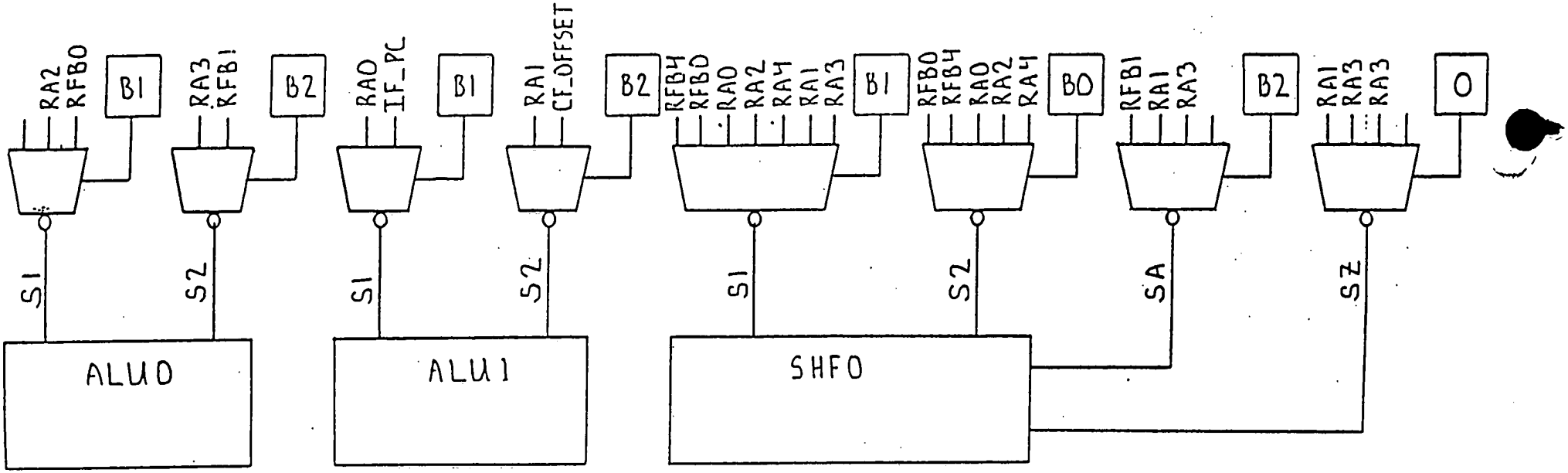
RA2
RFB0
B1
RA3
RFB1
B2
RA0
IF_PC
B1
RA1
CF_OFFSET
B2
RFB4
RFB0
RA0
RA2
RA4
RA1
RA3
B1
RFB0
RFB4
RA0
RA2
RA4
B0
RFB1
RA1
RA3
B2
RA1
RA3
RA3
0
S1
S2
S1
S2
S1
S2
SA
SZ
ALU0
ALU1
SHF0

FIG. 6

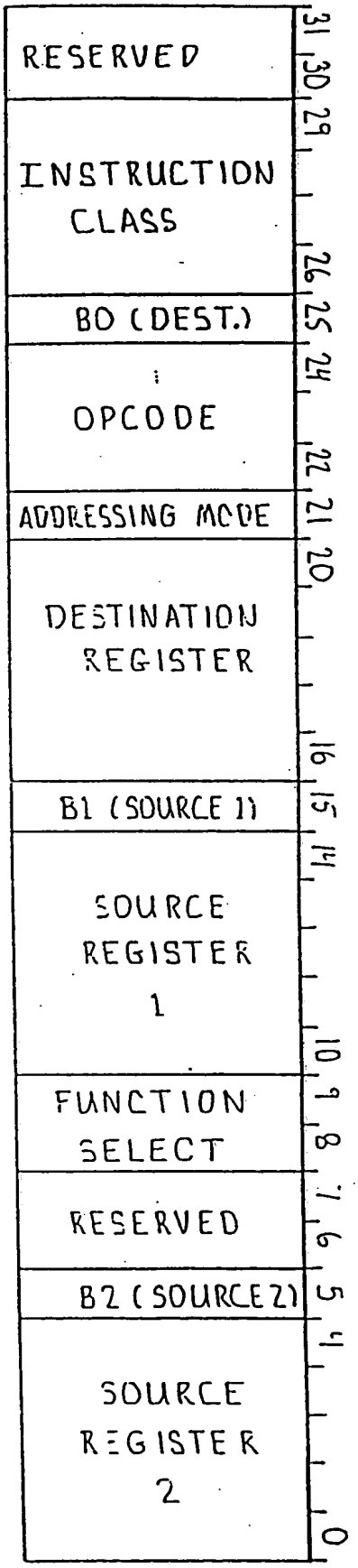

FIG. 7

INSTRUCTION I []

APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

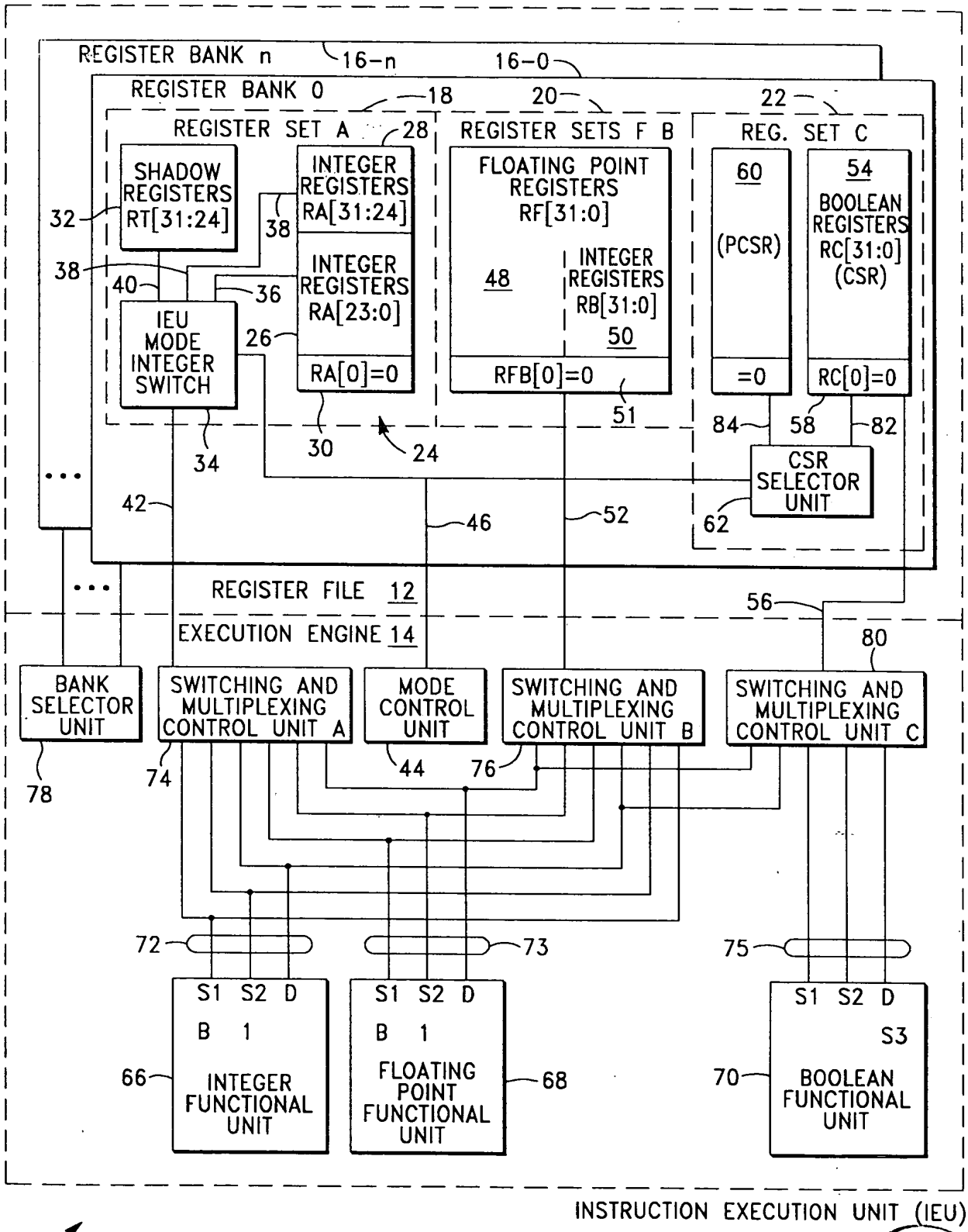

FIG.—1

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APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

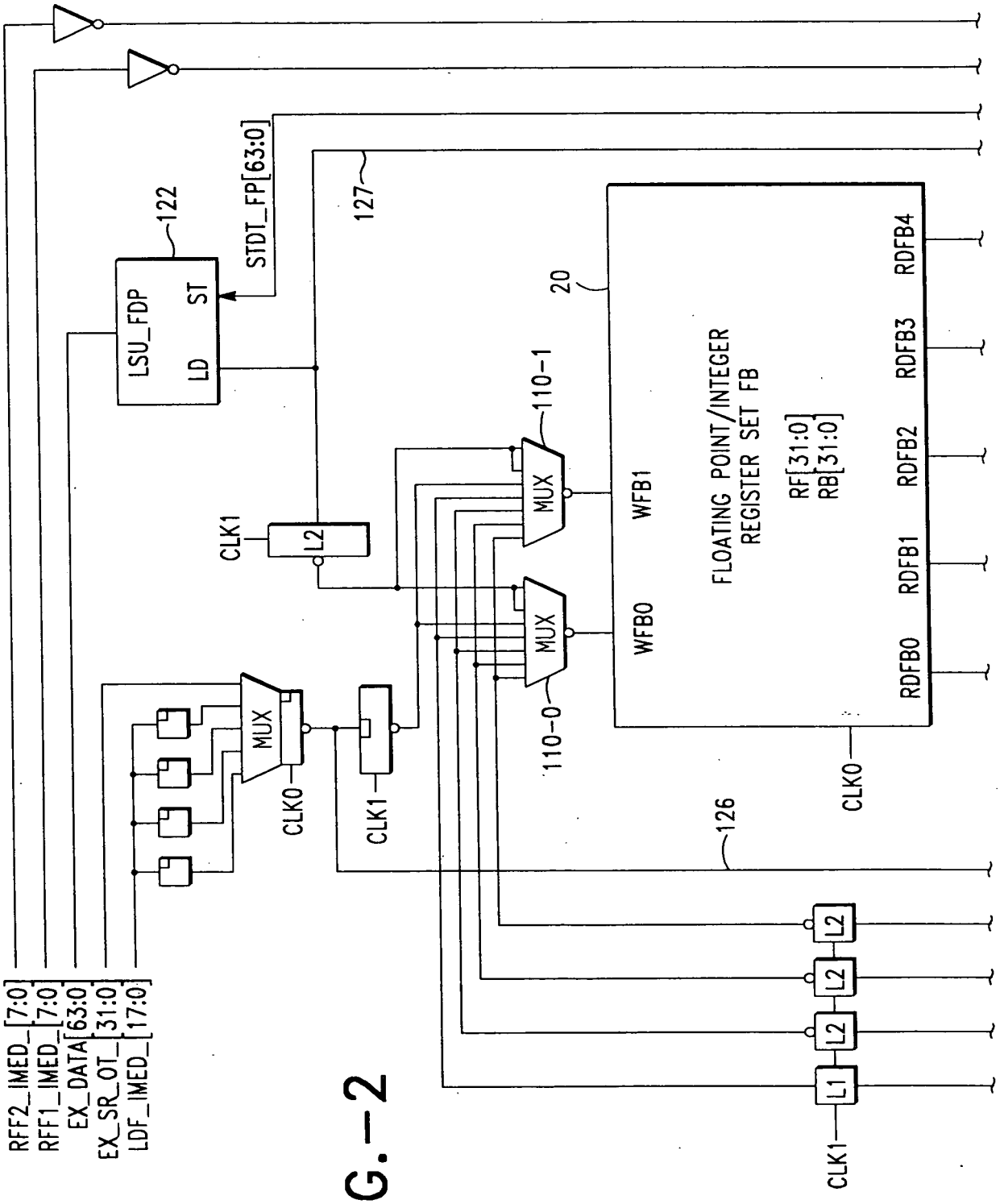

FIG.-2

APPROVED BY DRAFTSMAN | O.G FIG. | CLASS | SUBCLASS

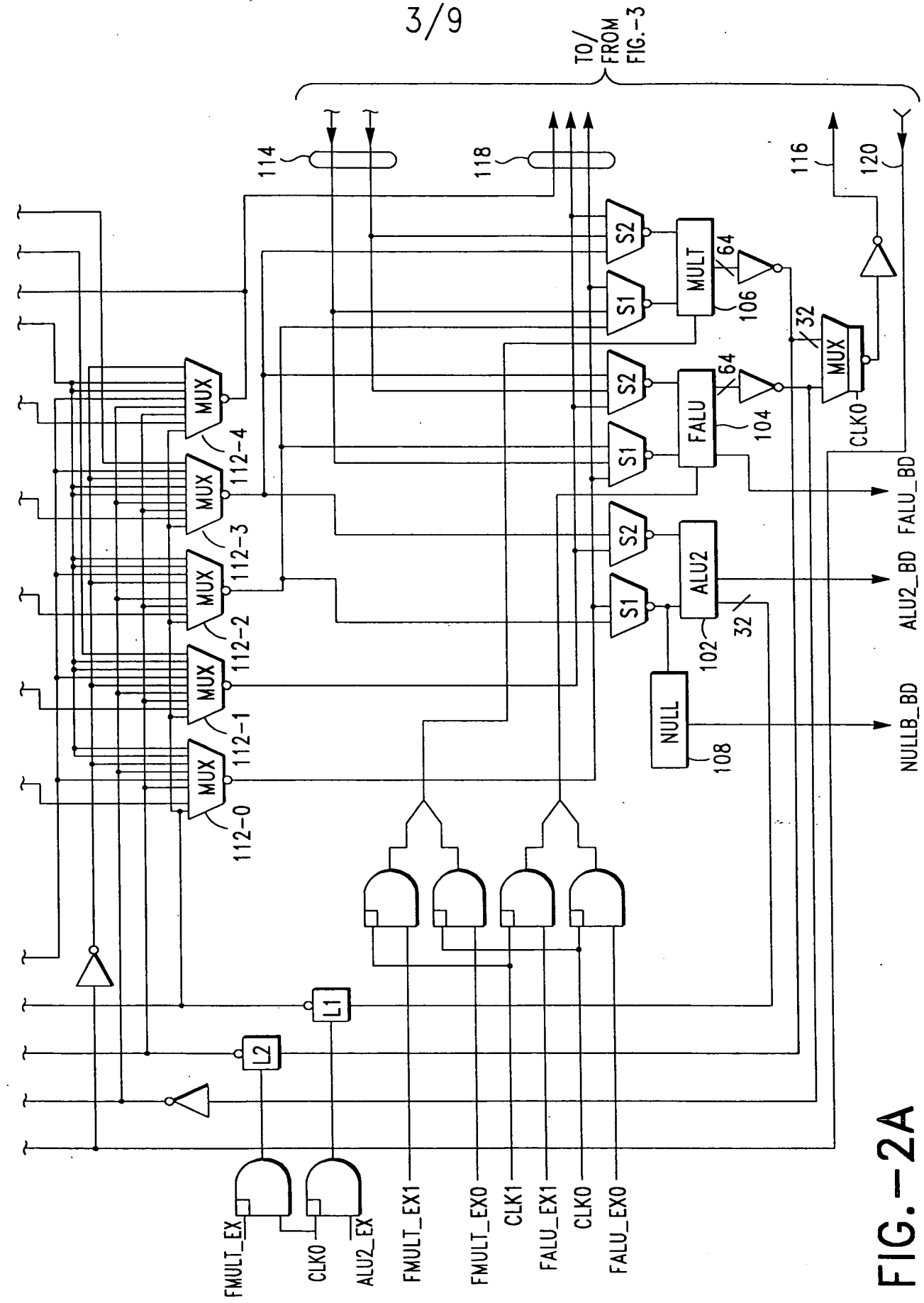

FIG.-2A

86DTF"80/88F60

APPROVED BY DRAFTSMAN | O.G. FIG. CLASS | SUBCLASS

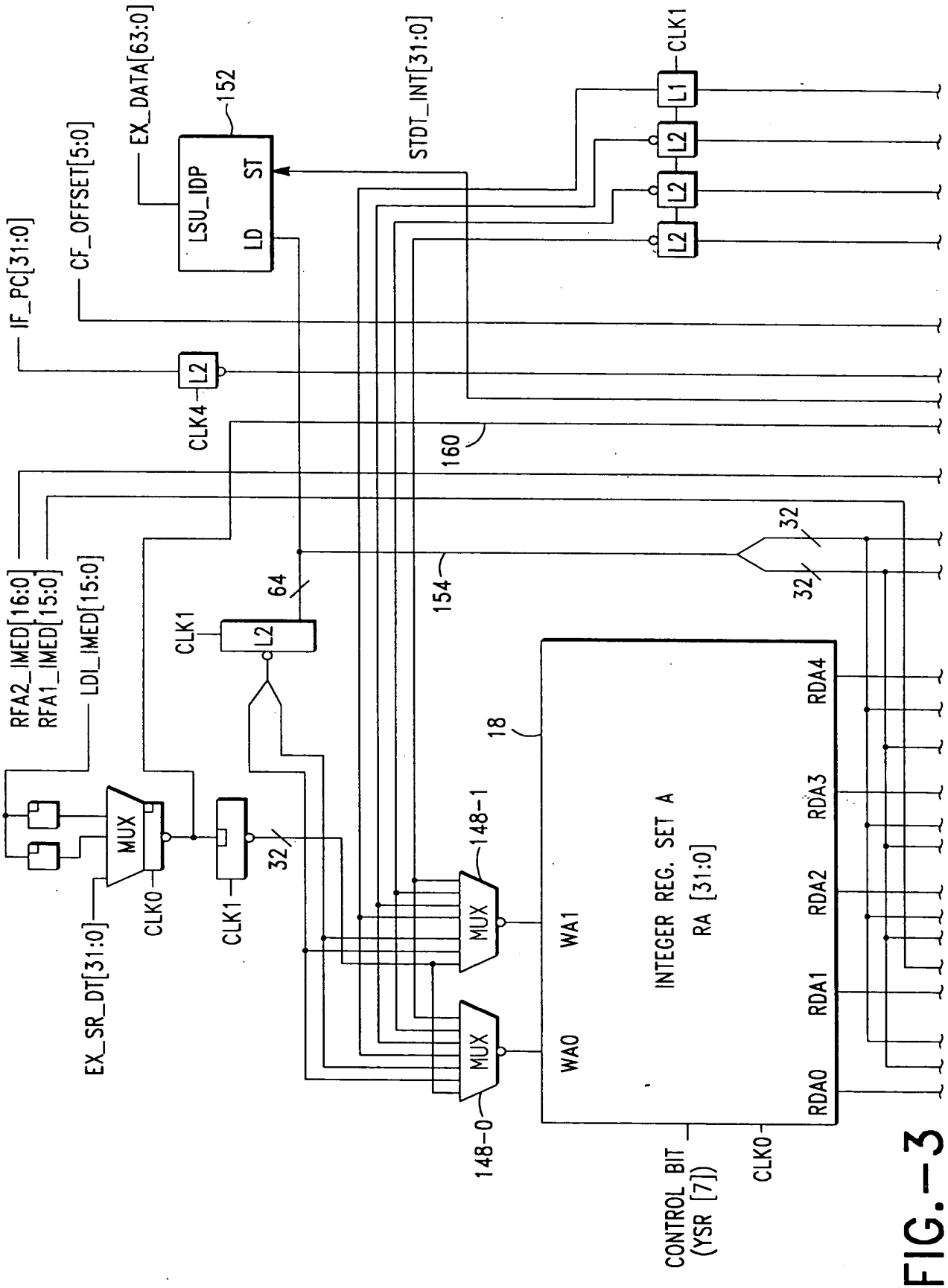

FIG.-3

APPROVED - BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

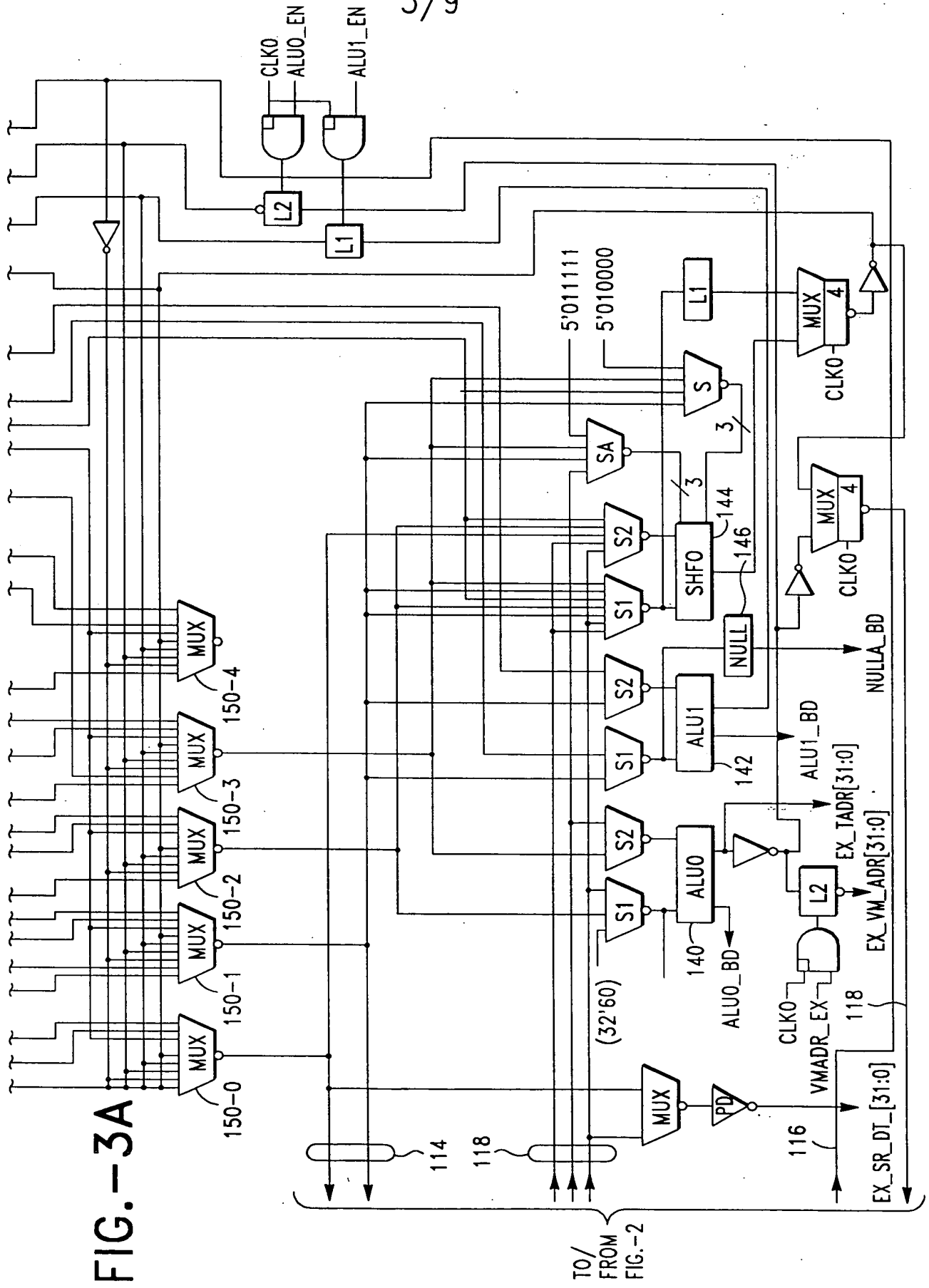

FIG.-3A

APPROVED BY DRAFTSMAN
O.G. FIG.
CLASS SUBCLASS

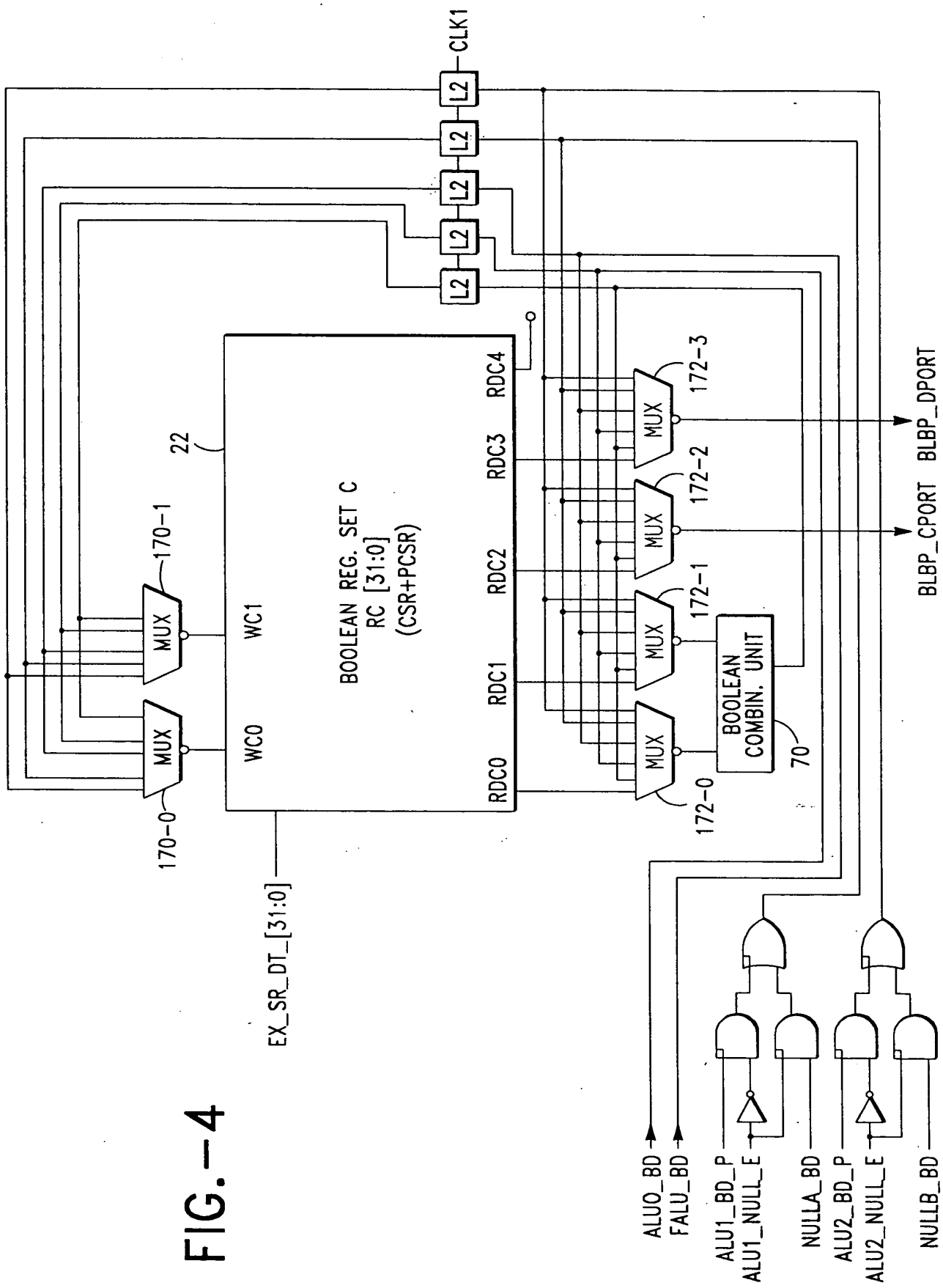

FIG.-4

80CTE 80/86F60

APPROVED BY DRAFTSMAN | O.G. FIG | CLASS | SUBCLASS

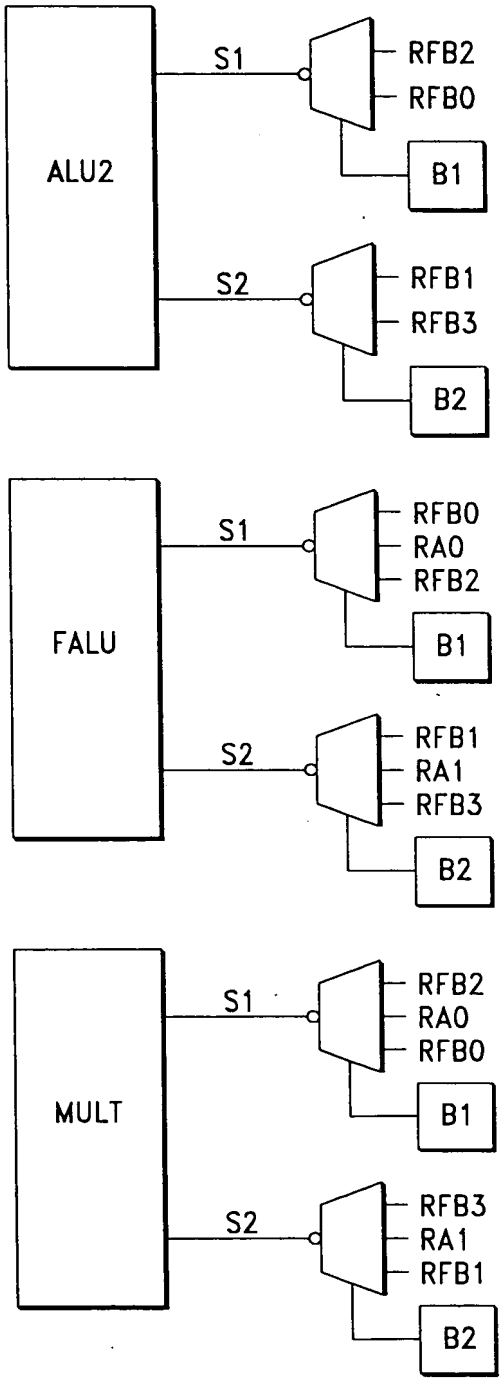

FIG.-5

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APPROVED BY DRAFTSMAN
O.G. FIG
CLASS SUBCLASS

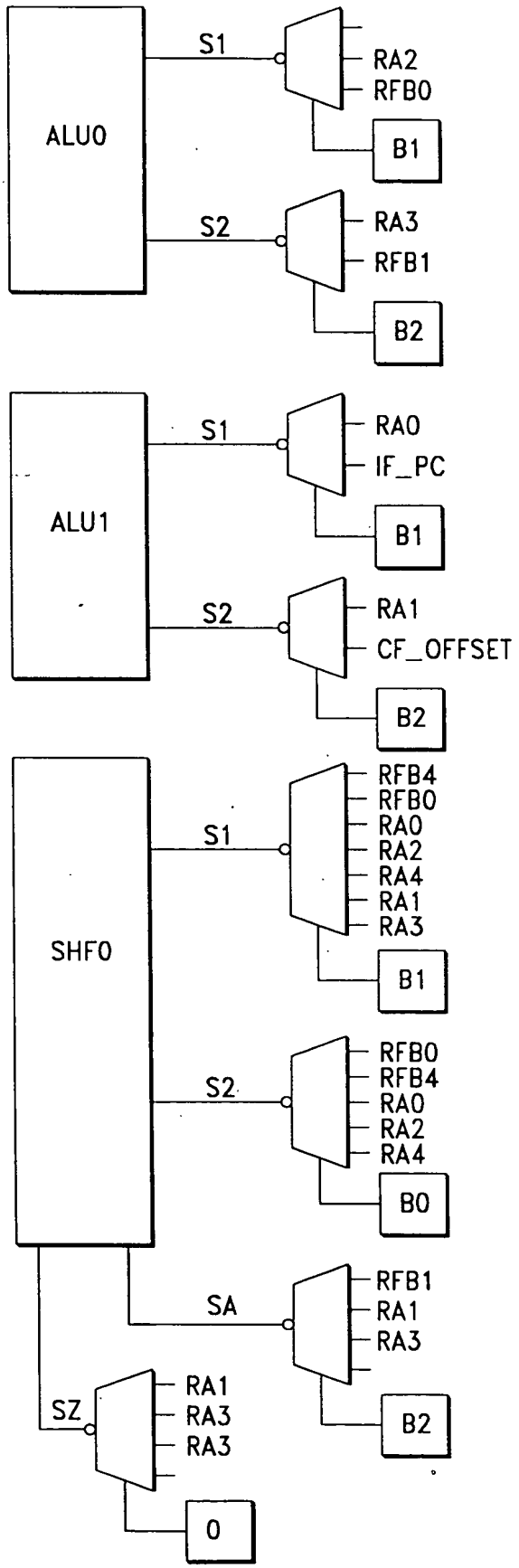

FIG.-6

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APPROVED BY DRAFTSMAN | O.G. FIG | CLASS | SUBCLASS

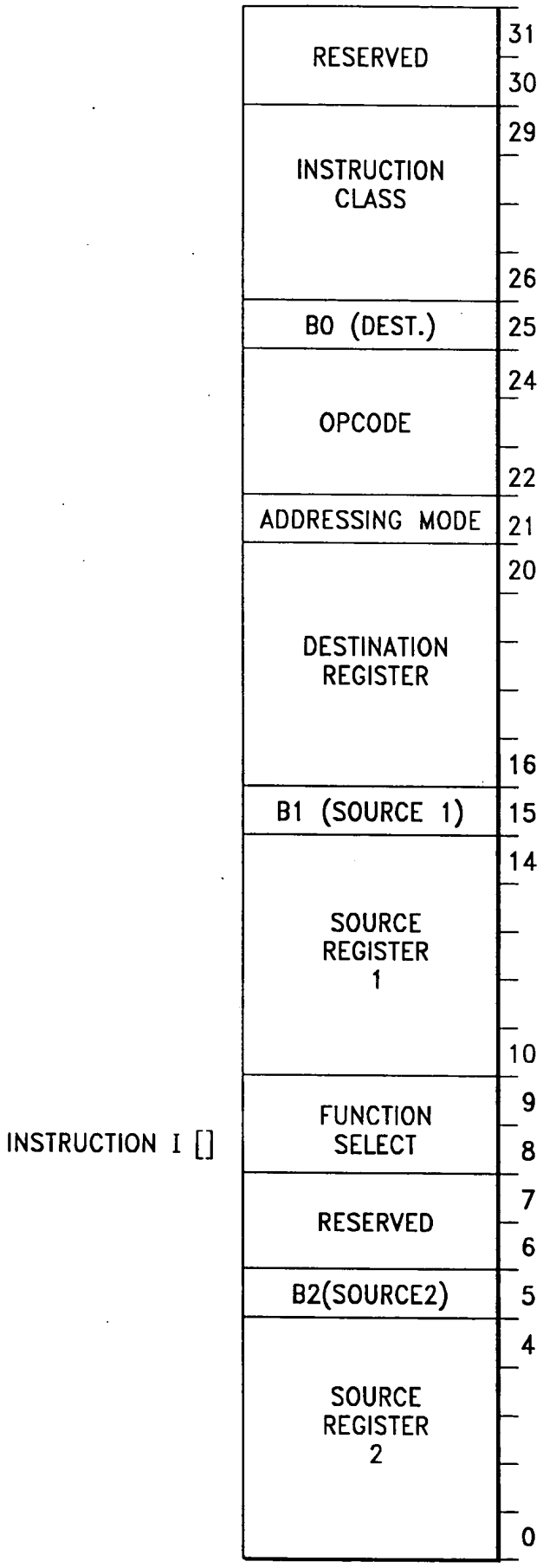

FIG.—7

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